

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/50640

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D409/14 C07D403/14 C07D403/12 C07D471/04
 //(C07D471/04, 221:00, 209:00)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, EMBASE, MEDLINE, BIOSIS, BEILSTEIN Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 423 723 B1 (BUCKLER DAVID ET AL) 23 July 2002 (2002-07-23) cited in the application column 4, line 45 -column 6, line 26 ----	1-35
A	BREITENBUCHER J G ET AL: "Generation of a Piperazine-2-carboxamide Library: A Practical Application of the Phenol-Sulfide React and Release Linker" TETRAHEDRON LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 39, no. 11, 12 March 1998 (1998-03-12), pages 1295-1298, XP004107918 ISSN: 0040-4039 page 1296 -page 1297; table II ----- -/-	1-35



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

6 February 2004

Date of mailing of the international search report

18/02/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

vanVoorsttotVoorst, M

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/50640

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 880 128 A (ROSSMAN RANDALL R ET AL) 9 March 1999 (1999-03-09)	1-33
X	claim 6; examples 21,24,44 ----	34,35
A	WO 98 57960 A (SCHERING CORP ; PHARMACOEPIA INC (US)) 23 December 1998 (1998-12-23)	1-33
X	page 78; examples 202,205,206,220,244 ----	34,35
A	WO 99 26921 A (HAGMANN WILLIAM K ;MAGRIOTIS PLATO A (US); MUMFORD RICHARD A (US);) 3 June 1999 (1999-06-03)	1-33
X	claims 1,17,26 ----	34,35
A	WO 00 39119 A (SCHERING CORP ; PHARMACOEPIA INC (US)) 6 July 2000 (2000-07-06)	1-33
X	claims 1,4 -----	34,35

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP 03/50640

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 1-22
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 1-22 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/50640

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6423723	B1	23-07-2002	US 6235755 B1	22-05-2001
			US 2002147345 A1	10-10-2002
			AU 5393199 A	28-02-2000
			CA 2339018 A1	17-02-2000
			EP 1380582 A1	14-01-2004
			EP 1102763 A2	30-05-2001
			JP 2002522433 T	23-07-2002
			WO 0008015 A2	17-02-2000
US 5880128	A	09-03-1999	NONE	
WO 9857960	A	23-12-1998	AU 753658 B2	24-10-2002
			AU 8058098 A	04-01-1999
			CN 1266433 T	13-09-2000
			EP 0989983 A1	05-04-2000
			HU 0003138 A2	28-06-2001
			JP 2002504144 T	05-02-2002
			NZ 501376 A	28-03-2002
			WO 9857960 A1	23-12-1998
			ZA 9805203 A	05-01-1999
WO 9926921	A	03-06-1999	AU 751950 B2	05-09-2002
			AU 1532799 A	15-06-1999
			CA 2309341 A1	03-06-1999
			EP 1034164 A1	13-09-2000
			JP 2001524465 T	04-12-2001
			WO 9926921 A1	03-06-1999
			US 6645939 B1	11-11-2003
WO 0039119	A	06-07-2000	AU 2158200 A	31-07-2000
			CA 2355744 A1	06-07-2000
			CN 1346355 T	24-04-2002
			EP 1140909 A1	10-10-2001
			JP 2002533455 T	08-10-2002
			WO 0039119 A1	06-07-2000